Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/10/2020 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126393	1	2.99	126398	3.05
Blue	F	SSC	125000	125503	0	1.82	126298	1.86
Blue	E	FITC	15892	15557	-3	2.88	340	21.18
Blue	D	PE	29999	29452	-2	2.03	640	15.59
Blue	B	PerCP-Cy5-5	43732	43336	-1	3.84	1165	21.31
Blue	A	PE-Cy7	30845	31089	0	6.50	588	44.01
Red	C	APC	46112	45450	-2	2.45	1606	12.12
Red	A	APC-Cy7	30458	29457	-4	2.36	777	11.96
Violet	B	V450	7918	7598	-5	4.47	429	13.73
Violet	A	V500	32171	31375	-3	4.14	733	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17130	17.57	652	31	N/A	N/A	Pass
Blue	F	SSC	57261	1.33	582	23	N/A	N/A	Pass
Blue	E	FITC	61	68.96	552	9	0.0180	180	Pass
Blue	D	PE	136	51.50	558	10	0.1416	256	Pass
Blue	B	PerCP-Cy5-5	211	52.09	666	10	0.0082	43	Pass
Blue	A	PE-Cy7	110	109.75	713	15	0.0095	20	Pass
Red	C	APC	381	25.70	589	5	0.0248	193	Pass
Red	A	APC-Cy7	171	29.65	560	4	0.0057	1393	Pass
Violet	B	V450	65	62.90	465	7	0.0468	2157	Pass
Violet	A	V500	110	36.06	481	7	0.0217	1024	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.50	-32.00	1.00
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	15.64	13.60 - 20.40	N/A	N/A	29.40	29.87	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9999

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments